

Anti-h sFlt-1 NA000404 SPTN-5

Product overview

Catalog number	C-10-0014
Specificity	Antibody recognizes human sFlt-1 (soluble fms-like tyrosine kinase-1)
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1% ProClin™ 300 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG _{2b}
Analyte description	sFlt-1 was originally found in human umbilical vein endothelial cells. It is a glycoprotein with tyrosine kinase activity, which is formed by different splicing of VEGFR-1 mRNA. It has 7 isoforms. Abnormally high expression of soluble isoforms (isoform 2, isoform 3 or isoform 4) may be a cause of preeclampsia. sFlt-1 is always used in combination with PlGF to determine the sFlt-1/PlGF ratio. The sFlt-1/PlGF ratio is intended for use as an aid in the diagnosis of preeclampsia in conjunction with other diagnostic and clinical information.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10%)
Immunoreactivity	80–120% compared to the reference sample in an ELISA test
IEF Profile	
Purity	≥ 95 %

Kinetic parameters

Association rate constant	To Be Determined (TBD)
Dissociation rate constant	TBD
Affinity constant	TBD
Determination method	-
Determination antigen	-

Cross-reactivities -

Epitope Not Determined (N/D)

Pair recommendations

		DETECTION			
		NA000401	NA000402	NA000403	NA000404
CAPTURE	NA000401	-	-	+	-
	NA000402	-	-	+	-
	NA000403	+	+	-	+
	NA000404	+	-	+	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested **ELISA, CLIA**

Antigens tested -

Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 21 days	OK
	+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -

